

Issue
1-2022 (February)

Special Section
Funktionales Drucken

Flexo+Tief
Druck

Our editorial staff is preparing the following focus topics:

Market development: package printing under rapidly changing (framework) conditions

Networked / digital printing process – from data acceptance to printing forme production to print approval

→ Glatz Klischee takes on a pioneering role in the market with XPS certification

Many of the high-end production processes from Glatz Klischee are based on hardware and software solutions from Esko. The partnership between the two companies has now reached a new high point with the first certification of digital flexographic printing plate exposure with Esko's XPS Crystal technology in Austria and Switzerland.

The latest developments in flexographic and gravure forme production

→ Automatic quality control in gravure cylinder engraving

Thanks to Certified Engraving, current engraving machines have extensive functions for automatic quality control. Modern Helioklischographen verify the cylinder geometry, measure the panel engraving and create comprehensive documentation of the engraving. There is no need to manually measure the gravure cylinder. The main functions of Certified Engraving are explained in the article.

Flexo and gravure printing machines for the current requirements in package printing

→ The need for a coordinated printing process

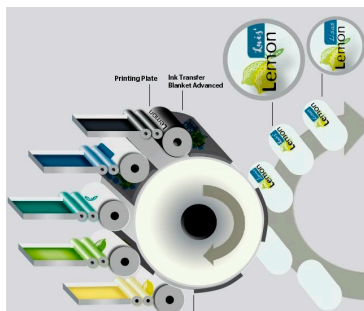
The companies Bobst, Follmann, U. Günther and Petroplast presented their latest developments in November to meet the current high requirements in terms of sustainability, productivity and print quality. But for error-free, productive and resource-saving print production, a coordinated interaction of these individual innovations (flexo printing plate, printing ink, printing material, flexo printing machine) is necessary.

→ Very fast food packaging

Over 1.2 billion frozen pizzas are sold in Germany every year - and a corresponding number of folding boxes are required. The media group Giesdorf (Detmold) wants to conquer this and other packaging markets with a spectacular investment project by its new subsidiary GPD Foodpackaging.

→ Personalized dry offset

The "Dry Offset Kit" from Continental is a coordinated system (elastomer flexo printing plate and elastomer printing blanket) that enables high-quality and personalized can printing.



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Flexo+Tief-Druck 1-2022 (February) will appear in the run-up to this important industry events:

19. Inno-Meeting
„Umdenken“,
Osnabrück / FRG:
17-18 February 2022

LOPEC,
Munich / FRG:
23-24 March 2022

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→ **More than "just" ESA**

Enulec looks back on 40 years of company history and shaped the development of gravure printing during this time with its patented ESA system. Reason enough to take stock and look to the future.



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Special Functional Printing

– Intelligent Labels & Packaging (n° 1/2022)

Functional printing goes beyond the „Intelligent Labels“, which we had previously considered in isolation for Etiketten-Labels. From 2022 we will deal with this topic in detail and across industries for package and label printing. In our special, we highlight the different characteristics of functional printing, the suitable printing processes and the fields of application in practice.

→ **Outlook on the fair LOPEC**

Current trends, exhibitors and their innovations



→ **Printed electronics – an exciting market with great growth potential**

→ **Application processes for functional printing**

→ **Augmented Reality: „Communicate with me!“
„Intelligent“ packaging at the point of sale**

→ **Security labels / counterfeit protection / RFID / NFC**

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